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	Application No.	Applicant(s)	,,,,,
Notice of Allowahility	10/721,752	EFFERENN ET AL.	
Notice of Allowability	Examiner	Art Unit	·
	David S. Blum	2813	
The MAILING DATE of this communication appearable claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT THE OF	OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS
1. This communication is responsive to 4/26/03.			
2. 🛮 The allowed claim(s) is/are <u>1-7</u> .			
3. $igotimes$ The drawings filed on <u>26 April 2003</u> are accepted by the Ex	aminer.		
 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b)			
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 1/26/03 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal Pa 6. Interview Summary Paper No./Mail Date 7. Examiner's Amendm 8. Examiner's Stateme 9. Other	(PTO-413), e nent/Comment	·

This action is in response to the amendment filed 4/26/03.

Information Disclosure Statement

1. The information disclosure statement filed 4/26/05 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because the references are in a foreign language. The IDS statement lists the three documents as having English abstracts. However, although the titles are in English, the abstracts are in German. It has been placed in the application file, but the information referred to therein has not been considered as to the merits. Cited reference document US 2003/0072198 has been considered. Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609 ¶ C(1).

Reasons for Allowance

- 2. Claims 1-7 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

Claim 1 includes the limitation for forming a semiconductor structure where a first hard mask is used to form rows and columns of trenches in a semiconductor substrate, the

Art Unit: 2813

hard mask is receded (etched back), isolation trenches are formed in the substrate using a second hard mask, where the isolation trenches divide the first hard mask into strip sections. This limitation, in combination with the other limitations of claim 1 is not taught or suggested by the prior art of record. Pohl (US 20030045051A1) and Goldbach (US006873000B2) form structures similar to that of the instant application, but do not teach or suggest using a second mask to form isolation trenches through a first mask in a substrate containing trenches to form strip sections.

Claims 2-7 are allowed as being properly dependent upon allowed claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David S. Blum whose telephone number is (571)-272-1687) and e-mail address is David.blum@USPTO.gov.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead Jr., can be reached at (571)-272-1702. Our facsimile number all patent correspondence to be entered into an application is (703) 872-9306. The facsimile number for customer service is (703)-872-9317.

Application/Control Number: 10/721,752

Art Unit: 2813

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David S. Blum

June 7, 2005